



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/657,814
Source: FWO
Date Processed by STIC: 3/5/04

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION AND PATENTIN SOFTWARE QUESTIONS, PLEASE CONTACT MARK SPENCER, TELEPHONE: 703-308-4212; FAX: 703-308-4221

Effective 12/13/03: TELEPHONE: 571-272-2510; FAX: 571-273-0221

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 4.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker/chkr41note.htm>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom.

Any reply including a sequence listing in electronic form should NOT be sent to the 20231 zip code address for the United States Patent and Trademark Office, and instead should be sent via the following to the indicated addresses:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)
2. U.S. Postal Service: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450
3. Hand Carry directly to (EFFECTIVE 12/01/03):
U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202
4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office, Box Sequence, Room 4B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Revised 10/08/03



IFWO

*Insert these
mandatory numeric identifiers
and responses at beginning of Sequence Listing*

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/657,814

DATE: 03/05/2004

TIME: 09:55:51

Input Set : A:\pto.da.txt

Output Set : N:\CRF4\03052004\J657814.raw

*<110>
<120>
<140>
<141>
<160>*

ERRORED SEQUENCES

3 <210> SEQ ID NO: 1
4 <211> LENGTH: 1531
5 <212> TYPE: DNA
6 <213> ORGANISM: Lactobacillus reuteri Probio-16

*1) Do not use italics or bold print.
Per 1.823 of sequence rules, use a fixed-width
font.*

*Does Not Comply
Corrected Diskette Needed*

8 <400> SEQUENCE: 1

```

9 gatgaacgcc ggcggtgtgc ctaatacatg caagtcgtac gcactggccc aactgattaa 60
10 tgggtgcttgc acctgattga cgatggatca ccagtgagtg gcggacgggt gagtaacacg 120
11 taggtaacct gccccggagc gggggataac atttggaac agatgctaata accgcataac 180
12 aacaaaagcc acatggcttt tgtttgaaag atggcttttg ctatcactct gggatggacc 240
13 tgcggtgcat tagctagttg gtaaggtaac ggcttaccaa ggcgatgatg catagccgag 300
14 ttgagagact gatcggccac aatggaactg agacacggtc catactccta cgggaggcag 360
15 cagtagggaa tcttccacaa tgggcgcaag cctgatggag caacaccgcg tgagtgaaga 420
16 agggtttcgg ctcgtaaagc tctgttggtg gagaagaacg tgcgtgagag taactgttca 480
17 cgcagtgcg gtatccaacc agaaagtcac ggctaactac gtgccagcag ccgcggtaat 540
18 acgtaggtgg caagcgttat ccggatttat tgggcgtaaa gcgagcgag gcggttgctt 600
19 aggtctgatg tgaaagcctt cggcttaacc gaagaagtgc atcggaacc gggcaacttg 660
20 agtgcagaag aggacagtgg aactccatgt gtagcgggtg aatgcgtaga tatatggaag 720
21 aacaccagtg gcgaaggcgg ctgtctggtc tgcaactgac gctgaggctc gaaagcatgg 780
22 gtagcgaaca ggattagata ccctggtagt ccatgccgta aacgatgagt gctaggtgtt 840
23 ggaggggttc cgccttcag tgccggagct aacgcattaa gcactccgcc tggggagtag 900
24 gaccgcaagg ttgaaactca aaggaattga cgggggcccc cacaagcggg ggagcatgtg 960
25 gtttaattcg aagctacgcg aagaacctta ccaggtcttg acatcttgcg ctaaccttag 1020
26 agataaggcg ttccttcgg ggacgcaatg acaggtggtg catggtcgtc gtcagctcgt 1080
27 gtcgtgagat gttgggttaa gtcccgcac gagcgcaacc cttgttacta gttgccagca 1140
28 ttaagttggg cactctagt agactgccg tgacaaaccg gaggaagggt gggacgacgt 1200
29 cagatcatca tgccccttat gacctgggct acacacgtgc tacaatggac ggtacaacga 1260
30 gtcgcaagct cgcgagagta agctaattc ttaaagccgt tctcagttcg gactgtaggc 1320
31 tgcaactcgc ctacacgaag tcggaatcgc tagtaatcgc ggatcagcat gccgcggtga 1380
32 atacgttccc gggccttgta cacaccgcc gtcacaccat gggagtgtgt aacgccccaa 1440
33 gtcggtggcc taaccattat ggagggagcc gcctaaggcg ggacagatga ctgggggtgaa 1500
E--> 34 gtcgtaacaa ggtagccgta ggagaacctg c

```

*1531 ← insert -
cumulative
nucleotide
total at
right margin
of each line*

*See sample Sequence Listing
(attached) for valid
format*

VERIFICATION SUMMARY

DATE: 03/05/2004

PATENT APPLICATION: US/10/657,814

TIME: 09:55:52

Input Set : A:\pto.da.txt

Output Set: N:\CRF4\03052004\J657814.raw

L:0 M:282 E: Numeric Field Identifier Missing, <110> is required.
L:0 M:282 E: Numeric Field Identifier Missing, <120> is required.
L:0 M:282 E: Numeric Field Identifier Missing, <160> is required.
L:34 M:254 E: No. of Bases conflict, LENGTH:Input:0 Counted:1531 SEQ:1
L:0 M:203 E: No. of Seq. differs, <160> Number Of Sequences:Input (0) Counted (1)

<110> Smith, John; Smithgene Inc.
 <120> Example of a Sequence Listing
 <130> 01-00001
 <140> PCT/EP98/00001
 <141> 1998-12-31
 <150> US 08/999,999
 <151> 1997-10-15
 <160> <
 <170> PatentIn version 2.0
 <210> 1
 <211> 389
 <212> DNA
 <213> Paramecium sp.
 <220>
 <221> CDS
 <222> (279)...(389)
 <300>
 <301> Doc. Richard
 <302> Isolation and Characterization of a Gene Encoding a
 Protease from Paramecium sp.
 <303> Journal of Genes
 <304> 1
 <305> 4
 <306> 1-7
 <307> 1988-06-31
 <308> 123456
 <309> 1988-06-31
 <400>
 agctgtagtc attcctgtgt cctcttctct ctgggcttct caccctgcta atcagatctc 60
 agggagagtg tcttgacctt cctctgctct tgcagcttca caggcaggca ggcaggcagc 120
 tcatgttgca attgctggca gtgccacagg ccttctagcc aggccttaggg tgggttccgc 180
 cgcggcgcgg cggccctctt cgcgctcttc tcgcgctctt ctctcgtctt cctctcgtct 240

Consult this.

Appendix 3, page 2

ggacccgacc aggtgagcag gaggagggggg cagcttagc 296
 Met Val Ser Met Phe Ser
 1 5
 ttg cct ttc aaa tgg cct gga tct tgt ttg bct gtc tgt ttg caa 300
 Leu Ser Phe Lys Trp Pro Gly Phe Cys Leu Phe Val Cys Leu Phe Gln
 10 15 20
 tgt ccc aaa gtc ttc ccc tgt cac tca tca ctg cag ccg aat ctt 389
 Cys Pro Lys Val Leu Pro Cys His Ser Ser Leu Gln Pro Asn Leu
 25 30 35

<210> 2
 <211> 37
 <212> PRT
 <213> Paramecium sp.

<400> 2
 Met Val Ser Met Phe Ser Leu Ser Phe Lys Trp Pro Gly Phe Cys Leu
 1 5 10 15
 Phe Val Cys Leu Phe Gln Cys Pro Lys Val Leu Pro Cys His Ser Ser
 20 25 30
 Leu Gln Pro Asn Leu
 35

<210> 3
 <211> 11
 <212> PRT
 <213> Artificial Sequence

<220>
 <223> Designed peptide based on size and polarity to act as a linker between the alpha and beta chains of Protein XYZ.

<400> 3
 Met Val Asn Leu Glu Pro Met His Thr Glu Ile
 1 5 10

<210> 4
 <400> 4
 000

[Annex VIII follows]

identifiers and their accompanying information as shown in the following table. The numeric identifier shall be used only in the "Sequence Listing." The order and presentation of the items of information in the "Sequence Listing" shall conform to the arrangement given below. Each item of information shall begin on a new line and shall begin with the numeric identifier enclosed in angle brackets as shown. The submission of those items of information designated with an "M" is mandatory. The submission of those items of information designated with an "O" is optional. Numeric identifiers <110> through <170> shall only be set forth at the beginning of the "Sequence Listing." The following table illustrates the numeric identifiers.

Numeric Identifier	Definition	Comments and Format	Mandatory (M) or Optional (O)
<110>	Applicant	Preferably max. of 10 names; one name per line; preferable format: Surname, Other Names and/or Initials	M
<120>	Title of Invention		M
<130>	File Reference	Personal file reference	M, when filed prior to assignment of appl. number
<140>	Current Application Number	Specify as: US 07/999,999 or PCT/US96/99999	M, if available
<141>	Current Filing Date	Specify as: yyyy-mm-dd	M, if available
<150>	Prior Application Number	Specify as: US 07/999,999 or PCT/US96/99999	M, if applicable include priority documents under 35 USC 119 and 120
<151>	Prior Application Filing Date	Specify as: yyyy-mm-dd	M, if applicable
<160>	Number of SEQ ID NOs	Count includes total number of SEQ ID NOs	M
<170>	Software	Name of software used to create the Sequence Listing	O
<210>	SEQ ID NO: #:	Response shall be an integer representing the SEQ ID NO shown	M
<211>	Length	Respond with an integer expressing the number of bases or amino acid residues	M

<212>	Type	<p>Whether presented sequence molecule is DNA, RNA, or PRT (protein). If a nucleotide sequence contains both DNA and RNA fragments, the type shall be "DNA." In addition, the combined DNA/RNA molecule shall be further described in the <220> to <223> feature section.</p>	M
<213>	Organism	<p>Scientific name, i.e. Genus/species, Unknown or Artificial Sequence. In addition, the "Unknown" or "Artificial Sequence" organisms shall be further described in the <220> to <223> feature section.</p>	M
<220>	Feature	<p>Leave blank after <220>. <221-223> provide for a description of points of biological significance in the sequence.</p>	<p>M, under the following conditions: if "n," "Xaa," or a modified or unusual L-amino acid or modified base was used in a sequence; if ORGANISM is "Artificial Sequence" or "Unknown"; if molecule is combined DNA/RNA.</p>
<221>	Name/Key	<p>Provide appropriate identifier for feature, preferably from WIPO Standard ST.25 (1998), Appendix 2, Tables 5 and 6</p>	<p>M, under the following conditions: if "n," "Xaa," or a modified or unusual L-amino acid or modified base was used in a sequence</p>
<222>	Location	<p>Specify location within sequence; where appropriate state number of first and last bases/amino acids</p>	<p>M, under the following conditions: if "n," "Xaa," or a modified or unusual L-amino acid or modified</p>

		in feature	base was used in a sequence
<223>	Other Information	Other relevant information; four lines maximum	M, under the following conditions: if "n," "Xaa," or a modified or unusual L-amino acid or modified base was used in a sequence; if ORGANISM is "Artificial Sequence" or "Unknown"; if molecule is combined DNA/RNA.
<300>	Publication Information	Leave blank after <300>	0
<301>	Authors	Preferably max of ten named authors of publication; specify one name per line; preferable format: Surname, Other Names and/or Initials	0
<302>	Title		0
<303>	Journal		0
<304>	Volume		0
<305>	Issue		0
<306>	Pages		0
<307>	Date	Journal date on which data published; specify as yyyy-mm-dd, 1001-yyyy or Season-yyyy	0
<308>	Database Accession Number	Accession number assigned by database including database name	0
<309>	Database Entry Date	Date of entry in database; specify as yyyy-mm-dd or 1001-yyyy	0
<310>	Patent Document Number	Document number; for patent-type citations only. Specify as, for example, US 07/999,999	0

<311>	Patent Filing Date	Document filing date, for patent-type citations only; specify as yyyy-mm-dd	0
<312>	Publication Date	Document publication date, for patent-type citations only; specify as yyyy-mm-dd	0
<313>	Relevant Residues	FROM (position) TO (position)	0
<400>	Sequence	SEQ ID NO should follow the numeric identifier and should appear on the line preceding the actual sequence	M

5. Section 1.024 is revised to read as follows:

1.024 Form and format for nucleotide and/or amino acid sequence submissions in computer readable form.

(a) The computer readable form required by 1.021(c) shall meet the following specifications:

(1) The computer readable form shall contain a single "Sequence Listing" as either a diskette, series of diskettes, or other permissible media outlined in paragraph (c) of this section.

(2) The "Sequence Listing" in paragraph (a) (1) of this section shall be submitted in American Standard Code for Information Interchange (ASCII) text. No other formats shall be allowed.

(3) The computer readable form may be created by any means, such as word processors, nucleotide/amino acid sequence editors or other custom computer programs; however, it shall conform to all specifications detailed in this section.

(4) File compression is acceptable when using diskette media, so long as the compressed file is in a self-extracting format that will decompress on one of the systems described in paragraph (b) of this section.

(5) Page numbering shall not appear within the computer readable form version of the "Sequence Listing" file.

(6) All computer-readable forms shall have a label permanently affixed thereto on which has been hand-printed or typed: the name of the applicant, the title of the invention, the date on which the data were recorded on the computer readable form, the operating system used, a reference number, and an application serial number and filing date, if known.

(b) Computer readable form submissions must meet these format requirements:

(1) Computer: IBM PC/XT/AT, or compatibles, or Apple Macintosh;

(2) Operating System: MS-DOS, Unix or Macintosh;